

PROJECT DESCRIPTION

**GENERAL**  
THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE TRAFFIC SIGNAL AT MD 924 (ROCK SPRING AVE.) AND MOORES MILL ROAD IN HARFORD COUNTY, DUE TO THE GEOMETRIC IMPROVEMENTS AT THE INTERSECTION. THE EAST SIDE OF MOORES MILL ROAD WILL BE WIDENED. TERRA VIDEO DETECTION CAMERAS WILL BE INSTALLED FOR PRESENCE DETECTION ON ALL LEGS AND SET BACK DETECTION ON MOORES MILL ROAD AND VALE ROAD. MD 924 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

**INTERSECTION OPERATION**  
THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE. THE EXISTING MAINLINE EXCLUSIVE/PERMISSIVE PHASING WILL REMAIN. THE SIDE STREET PERMISSIVE PHASING WILL REMAIN.

**CONTROLLER REQUIREMENTS**  
THE EXISTING POLE MOUNTED CABINET, ASSOCIATED HARNESSSES, AND LOOP DETECTOR AMPLIFIERS SHALL REMAIN. THE SHA SIGNAL SHOP WILL INSTALL THE TERRA VIDEO DETECTION INTERFACE EQUIPMENT.

**PHONE DROP**  
THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410) 787-7635 TO ARRANGE FOR THE PHONE DROP LINE INSTALLATION. THE CONTRACTOR IS TO NOTIFY MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE AND PHONE NUMBER.

THE CONTACT PERSONS FOR DISTRICT #4 ARE AS FOLLOWS:

Ms. Erin Kuhn  
Assistant District Engineer - Traffic  
Phone: 410-321-2781

Mr. Mike Pasquariello  
District Utilities Engineer  
Phone: 410-321-2841

Mr. Andre Futrell  
Assistant District Engineer - Maintenance  
Phone: 410-321-2761

Mr. Richard L. Daff Sr.  
Chief, Traffic Operations Division  
Phone: 410-787-7630

Mr. Edward Rodenhizer  
Chief, SHA Traffic Signal Shop  
Phone: 410-787-7650

The Power Company Is:  
Baltimore Gas & Electric Company  
7317 Parkway Drive South  
Hanover, MD 21076  
Phone: 410-859-9062

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

CATEGORY CODE	QUANTITY	DESCRIPTION
900000	1 EA	TERRA VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

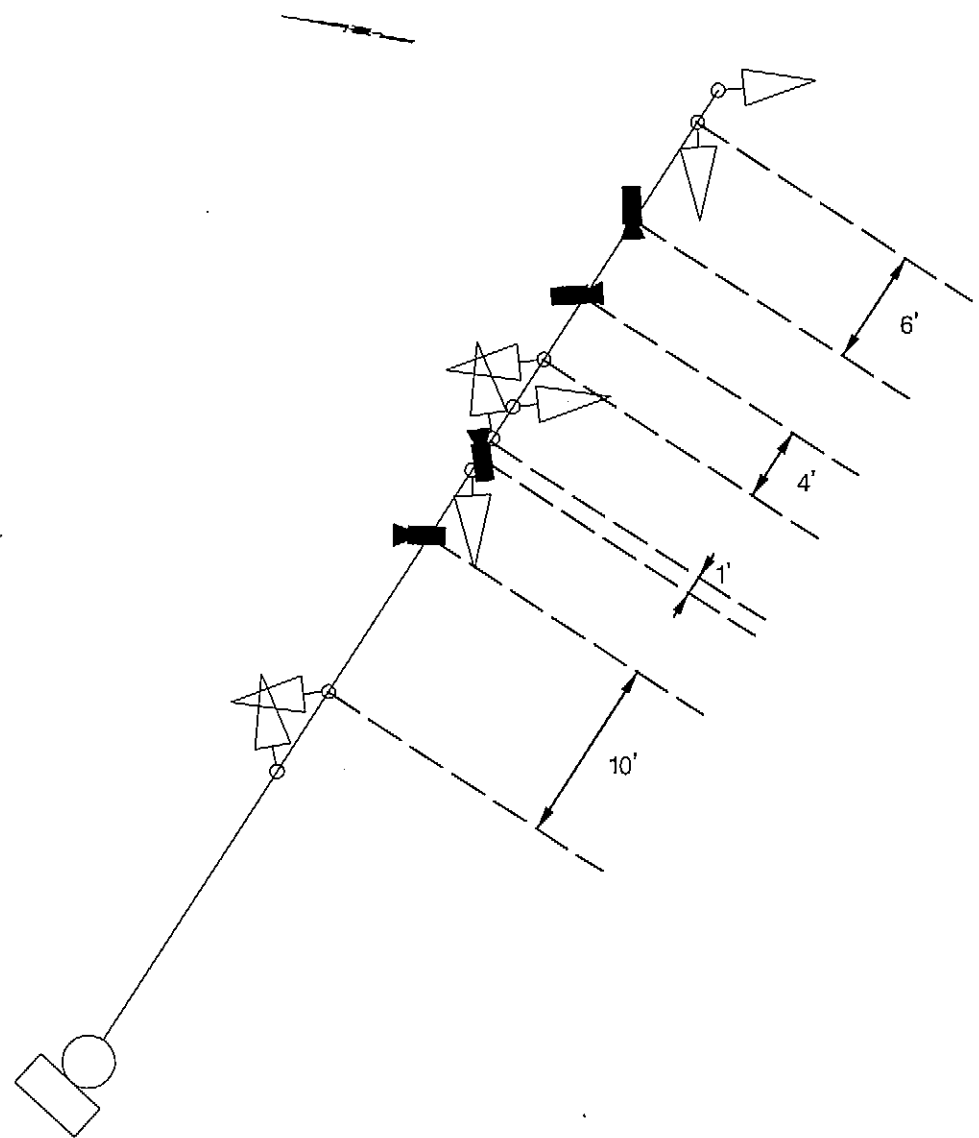
CATEGORY CODE	QUANTITY	DESCRIPTION
NONE		ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

EQUIPMENT LIST 'B'

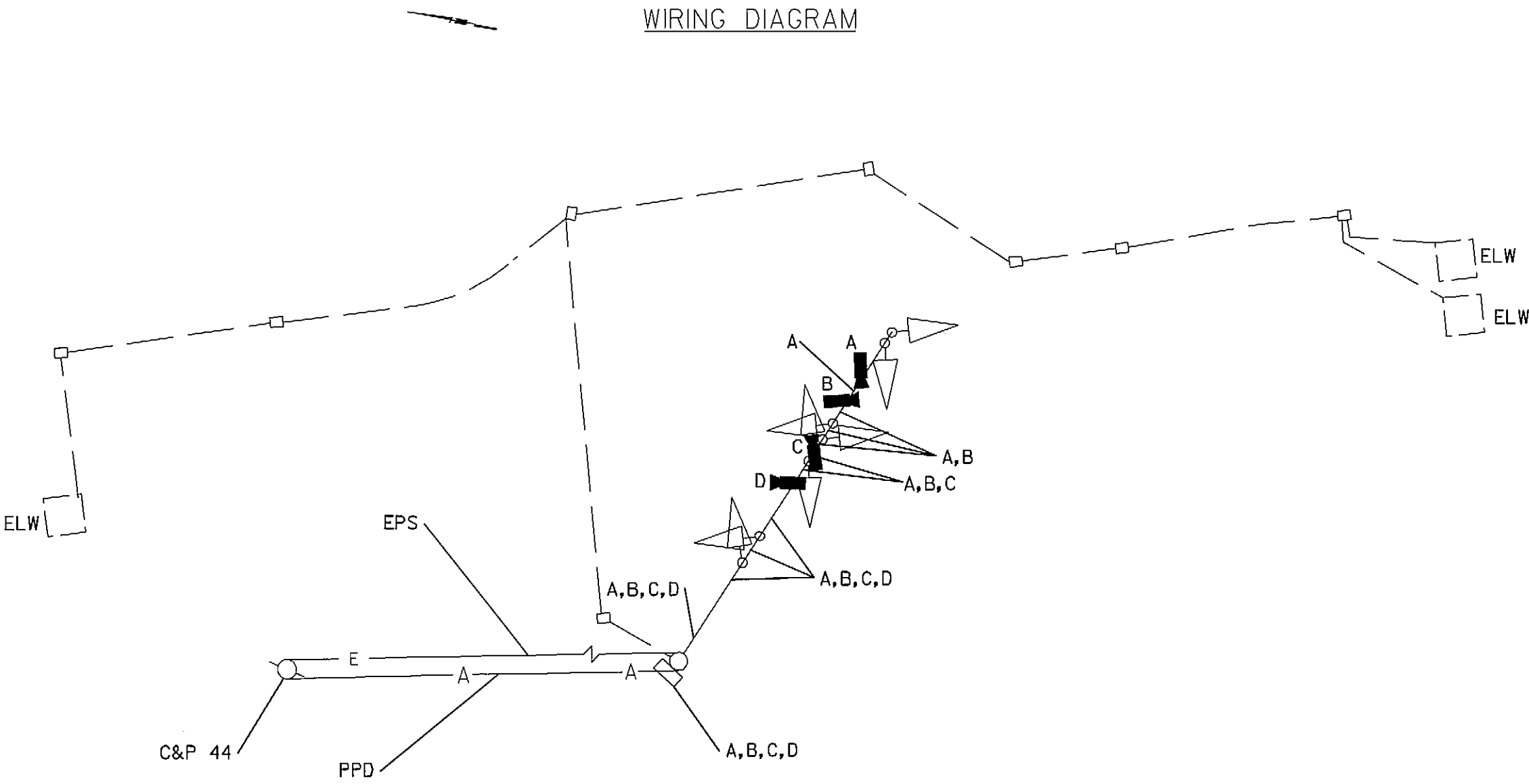
EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

CATEGORY CODE	QUANTITY	DESCRIPTION
120500	1 LS	MAINTENANCE OF TRAFFIC
585625	120 LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
800000	1 EA	REMOVE AND DISPOSE OF TRAFFIC SIGNAL EQUIPMENT
811002	3 EA	REMOVE ELECTRICAL HANDHOLE
816001	4 EA	TERRA VIDEO DETECTION CAMERA

PROPOSED TERRA VIDEO DETECTION CAMERA LAYOUT  
SCALE: 1" = 10'



WIRING DIAGRAM



- A B C D - TERRA VIDEO DETECTION CABLE
- ELW - EXISTING LOOP WIRE
- PPD - PROPOSED OVERHEAD PHONE DROP TO BE INSTALLED BY OTHERS
- EPS - EXISTING POWER SERVICE

PHASE CHART

	1	2	3	4	5	6	7	8	
PHASE 1 AND 5	G R	R G	R R	R R	R R	R R	R R	R R	
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6	G R	R G	R R	R R	R R	R R	R R	R R	
PHASE 1 AND 6	G R	R G	R R	R R	R R	R R	R R	R R	
1 CHANGE	G R	R G	R R	R R	R R	R R	R R	R R	
PHASE 2 AND 5	R R	R G	G R	R R	R R	R R	R R	R R	
5 CHANGE	R R	R G	G R	R R	R R	R R	R R	R R	
PHASE 2 AND 6	G R	R G	R R	R R	R R	R R	R R	R R	
2 AND 6 CHANGE	Y Y	Y Y	Y Y	Y Y	Y Y	Y Y	Y Y	Y Y	
PHASE 4 AND 8	R R	R R	R R	G G	G G	G G	G G	G G	
4 AND 8 CHANGE	R R	R R	R R	Y Y	Y Y	Y Y	Y Y	Y Y	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 924 AND MOORES MILL ROAD/VALE ROAD

GENERAL INFORMATION

SCALE	NONE	DATE	APRIL 2009	CONTRACT NO.	
DESIGNED BY	MMO	COUNTY	HARFORD		
DRAWN BY	MMO	LOGMILE	12092406.57		
CHECKED BY	BAB	TIMS NO.	1550		
FAP NO.		TOD NO.			
TS NO.	1901E	DRAWING	—	OF	SHEET NO. 68 OF 80

**STV Incorporated**  
engineers / architects / planners / construction managers  
7125 Ambassador Road, Baltimore, MD 21244-2722 (410) 944-9112

UTILITY LEGEND			
— E — E —	ELECTRIC CABLES	— SD — SD —	STORM DRAIN
— A — A —	AERIAL CABLES	— G — G —	GAS MAIN
— T — T —	TELEPHONE CABLES	— W — W —	WATER MAIN
— F — F —	FIBER-OPTIC	— S — S —	SEWER MAIN